

KON'YA, I.I., inzh.

Concerning the effect of local factors on the economic characteristics of district power distribution networks. Izv. vys. ucheb. zav.; energ. 4 no.2:27-33 F '61. (MIRA 14:3)

1. Energeticheskiy institut imeni G. M. Krzhizhanovskogo AN SSSR.  
(Electric power distribution)

KONYA, Jozsef (HA 5 FX)

Band-filter VFO to 3,5-3,68 MH. Radiotechnika 11 no.11:330-331  
N '61.

HUNGARY/Soil Science - Organic Fertilizers.

J

Abs Jour : Ref Zhur Biol., No 19, 1958, 86813

Author : Konya, Kalman

Inst : ~~University of Agriculture~~

Title : The Effect Deep Placement of Fertilizer has on the Quantity of Stubble and Root Remnants.

Orig Pub : Novenytermeles, 1957, 6, No 1, 17-26

Abstract : The effectiveness of deep placement of fertilizers is felt not only in raising the harvest yield, but also in the increase of the quantity of stubble and root remnants (organic substances are returned to the soil in large quantity). In comparison with the control, the placement of manure in the top horizon (0 - 30 cm) increases by 55% the weight of stubble and root remnants of winter wheat, by 29% the remnants of Sudan grass, and raises the grain yield of winter wheat by 3 centners/hectare when the control crop is 12.7 centners/hectare. A soil turnover at 60 cm increases the

Card 1/2

KONYA, Karoly, dr.

Obstetric and pediatric aspects of rickets control. *Hepregaszsegugy*  
43 no.6:181-184 Jo '62.

1. Kozlemeny a fovarosi Pete fy Sandor utcai korhaz-rendelointezetbol  
(igazgato: Galocsi Gyorgy dr.).  
(RICKETS prev & control)

ZARAY, Ervin, dr.; KONYA, Karoly, dr.

On the harmful effect of the organic hydroxylacids of the lemon on the dental enamel. Gyermekgyógyászat 14 no.1:4-9 Ja '62.

1. A Budapesti Orvostudományi Egyetem Konzerváló Fogászati Klinikájának és a Fővárosi Peterfy Sándor utcai kórház-rendelő Gyermekosztályának közleménye.

(ASCORBIC ACID)	(DENTAL CARIES)	(DENTAL ENAMEL)
(CITRUS FRUITS)	(ACIDS)	

HUNGARY

KONYA, Karoly, Dr; Capital City Peterffy Sandor Street Hospital and Ambulatory Service, Pediatric Ward (Fovarosi Peterffy Sandor utcai Korhaz-Rex.delo, Gyermekosztaly).

"Sources of Error in our Rachitis Prophylaxis During the Antenatal Time."

Budapest, Orvosi Hetilap, Vol 104, No 17, 28 Apr 63, pages 792-795.

Abstract: [Author's Hungarian summary] Using comparative studies on 100 rachitic children and those having well formed bones the author found that in most rachitic cases the antenatal conditions were responsible for the deficiency. The main rachitogen factors are considered to be: increased vomiting during pregnancy; sunless living or working conditions for the expectant mother or a prolonged salt restriction in the diet of the mother. 6 Hungarian, 5 Western references.

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KONYA, L.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824420012-8

Agricultural films made in 1955. p. 3 of cover.

Vol. 115, no. 4, Apr. 1956  
TERESESZET ES TARSADALOM  
Budapest, Hungary

Source: East European Accession List. Library of Congress.  
Vol. 5, No. 8, August 1956

L 15526-66 EWA(j)/EWA(b)-2 RO

ACC NR: AT6007378

SOURCE CODE: HU/2505/65/026/00X/0010/0011

AUTHOR: Konya, L.; Fehér, O.

ORG: Institute of Physiology, Medical University of Debrecen (Debreceni Orvostudományi Egyetem, Elettani Intézet)

TITLE: Effect of convulsive agents on the gamma-aminobutyric acid content of the cerebral cortex in rats [This paper was presented at the 29th Meeting of the Hungarian Physiological Society held in Szeged from 2 to 4 July 1964]

SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 26, Supplement, 1965, 10-11

TOPIC TAGS: cerebral cortex, rat, nervous system drug, drug effect, electrophysiology, pharmacology

ABSTRACT: The effect of several convulsive agents on the GABA level of the cerebral cortex of rats has been studied in correlation with the ECoG pattern. In the case of local application, strychnine, d-tubocurarine diminished the GABA content by 0-16 per cent and also elicited seizure potentials of a 1-2/sec frequency. D-tubocurarine plus acetylcholine increased the GABA content by 13 per cent during rhythmic after-

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SZENTKERESZTY, Bela, dr.; SCHNITZLER, Jozsef, dr.; KONYA, Laszlo, dr.;  
BACSA, Sandor, dr.; MATUS, Laszlo

The role of tracheotomy in modern surgery. Orv. hetil. 103 no.34:  
1591-1594 26 Ag '62.

1. Debreceni Orvostudományi Egyetem, TBC-Klinika, Sebészeti osztály.  
(TRACHEA surg)



KOVER, A.; KONYA, L.; KOVACS, L.; SZOOR, A.

Positive inotropic action of cholinesterase on the hypodynamic frog heart. Acta physiol. acad. sci. hung. 22 no.2:145-153 '62.

1. Institute of Physiology, Medical University, Debrecen.  
(CHOLINESTERASE) (HEART)

KESZLER, P.; BACSA, P.; KONYA, L.

On external cardiac massage. Orr. hetil. 105 no.30:1436-1437  
26 JI '64

KONYA, Laszlo, dr.; SCHNITZLER, Jozsef, dr.; ARANYOSI, Janos, dr.;  
SZOKOL, Matyas, dr.

Leiomyoma of the lung. Tuberkulózis 17 no.7:221-223 J1 '64.

1. A Debreceni Orvostudományi Egyetem Tbc Klinika (mb. igazgató:  
Pongor Ferenc dr. egyetemi docens) Sebészeti Osztálya (osztály-  
vezető: Schnitzler József dr. egyetemi docens) és Kóronctani  
Intézet (igazgató: Endes Pongrácz dr. egyetemi tanár) közleménye.

KONYA, Laszlo, dr. ARANYOSI, Janos, dr.; BANHIDI, Endre, dr.

Surgical treatment of injuries of the respiratory tract. Orv.  
hetil. 105 no.19:871-876 10 My'64

1. Debreceni Orvostudományi Egyetem, Tbc Klinika Sebészeti  
Osztály.

\*

BACSA, Sandor, dr.; KONYA, Laszlo, dr.

Closed chest resuscitation following lung surgery. Orv. hetil.  
105 no.13: 601-605 29 Mr '64

1. Debreceni Orvostudományi Egyetem, Tbc Klinika

\*

KONYA, Sandor

On the guiding activity of the Division of Social and Historical Sciences, Hungarian Academy of Sciences. Magy tud 70 no.2:84-93 F '63.

1. Magyar Tudományos Akademia Tarsadalmi-Torteneti Tudományok Osztályának szaktitkara.

*Konya, J.*  
POKA, László, dr.; RINGELHANN, Bela, dr.; KEMENY, Tibor, dr.; KONYA,  
Zoltan szig. orvos

Results of clinical and laboratory examinations after total  
gastrectomy. Orv. hetil. 95 no.27:723-729 4 July 54.

1. A Hevesmegye Tanácsa Kórhaza, Eger (igazgató: Fülöp Béla dr.)
- II. sz. Sebészeti Osztálynak (vezető: Poka László dr.), Laboratóriu-  
manak (vezető: Ringelmann Béla dr.) és a Budapesti Orvosi Egyetem  
Kóreléttani Intézetének (igazgató: Sos József dr.) közleménye  
(STOMACH, surgery  
gastractomy, total, postop. clin. & laboratory aspects)

KERTAI, Pal.,; KONYA, Zoltan.,; GYOKOSSY, Jozsef.

The role of autonomic nerve function in protein mobilization in the liver. Kiserletes orvostud. 7 no.6:579-586 Nov 55.

1. Budapesti Orvostudományi Egyetem Korelettani Intézete.

(LIVER, metab.

blood protein mobilization, eff. of irritation of autonomic nerv. system in dogs (Hun))

(BLOOD PROTEINS

mobilization in liver, eff. of irritation of autonomic nerv. system in dogs (Hun))

(AUTONOMIC NERVOUS SYSTEM, physiology

eff. of irritation on blood protein mobilization in liver in dogs (Hun))



KAPIAR, Zoltan, dr.; KONYA, Zoltan, dr.; SZIMNYAI, Miklos, dr.

Use of Csaba-Toro's agar fixation reaction in the diagnosis of  
gynecological cancer. Orv.hetil. 100 no.49:1771-1773 D '59.

1. A Budapesti Orvostudományi Egyetem I. sz. Női Klinikájának  
(igazgató: Horn Béla dr. egyet. tanár) közleménye.  
(GENITALIA FEMALE neol)  
(AGAR)

HORN, Bela, prof.dr.; GIMES, Rezső, dr.; KONYA, Zoltan, dr.

On ~~functioning~~ of the ovary following extirpation of the uterus.  
Magy.noorv.lap. 26 no.6:321-325 N '63.

1. Budapesti Orvostudományi Egyetem I. sz. Női Klinikájának  
közleménye. (Igazgató: Prof. Horn Bela).

CSOMOR, Sandro, dr.; KONYA, Zoltan, dr.; SZEKER, Janos, dr.

Serum protein fractions in subjects with cervical cancer. Magy.  
onkol. 6 no.2:77-82 My '62.

1. Budapesti Orvostudományi Egyetem, I. Noi Klinika.  
(CERVIX NEOPLASMS blood) (BLOOD PROTEINS)

HUNGARY

KISZEL, Janos, DOMOTORI, Jenő, KONYA, Zoltan; Medical University of Budapest, I. Gynecological Clinic (Budapesti Orvostudományi Egyetem, I. sz. Noi Klinika).

"Combined Administration of Prednisolone and Antibacterial Compounds to Guinea Pigs Infected with Staphylococcus Via the Genital Route."

Budapest, Kiserletes Orvostudomány, Vol XVIII, No 2, Apr 66, pages 124-127.

**Abstract:** [Authors' Hungarian summary] Guinea pigs infected with hemolytic Staph. aureus via the genital route were used to study the joint effect of prednisolone and different antibacterial compounds (effective as well as not effective against the pathogen, in vitro) on the course of the infection. Considering the length of survival of the individual groups, the pathological changes and the results of culture of the pathogen from different organs, it was found that the course of the infection was made more severe by prednisolone, in the dose applied and under the experimental conditions used, in all of the animal groups. 2 Hungarian, 14 Western references. [Manuscript received 12 Dec 64.]

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L 13417-66

ACC NR: AP6006637

SOURCE CODE: HU/0021/65/000/002/0103/0106

AUTHOR: Szeker, Janos—Seker, Ya. (Doctor)

ORG: I. Gynecological Clinic, Medical University of Budapest (Budapesti Orvostudományi Egyetem, I. sz. Noi Klinika)

TITLE: Changes in the serum protein fraction of women with carcinoma of the reproductive organs during radiation treatment

SOURCE: Magyar radiologia, no. 2, 1965, 103-106

TOPIC TAGS: carcinoma, biochemistry, protein, radiology, radiotherapy, blood, radiation biologic effect, pathology

**ABSTRACT:** The serum protein fractions were determined during the irradiation treatment of 33 women with cancer. The paper electrophoretic method revealed a decrease in the albumin value and in the A/G ratio, and an increase in the globulin value, especially that of the  $\alpha_1$ ,  $\alpha_2$  and gamma fractions. These changes were proportional to the radiation dose administered. Orig. art. has: 1 figure and 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 012

Card 1/1

HW

KONYAKHIN, I.I.

AUTHOR: Konyakhin, I.I., (Chief Engineer)

122-1-9/34

TITLE: Letter to the editor (Pismo v redaktsiyu)

PERIODICAL: "Vestnik Mashinostroyeniya" (Engineering Journal),  
1957, No.1, p. 34 (U.S.S.R.)

ABSTRACT: Letter to the Editor concerning criticisms made in  
"Vestnik", No.8, 1956, about the inadequacy of Soviet cal-  
Card 1/1 culating machines.

ASSOCIATION: SAM Plant (*Computing and Analytical Machine Plant*)

AVAILABLE: Library of Congress.

(Moscow)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824420012-8

SOV/124-58-10-11860

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10. p 155 (USSR)

AUTHOR: Konyakhin, I. R.

TITLE: Mechanical Properties of a Surface Material During Microdisplace-  
ments (Mekhanicheskiye svoystva materiala poverkhnosti,  
proyavlyayushchiesya pri mikrosmeshchenii)

PERIODICAL: Dokl. 7-y Nauchn. konferentsii, posvyashch. 40-letiyu Velikoy  
Oktyabr'sk. sots. revolyutsii. Nr 2. Tomsk, Tomskiy un-t, 1957,  
pp 51-52

ABSTRACT: Bibliographic entry

15(0)

SCV/159-58-3-12/31

AUTHOR: Konyakhin, I. E.

TITLE: Hardened Cores

PERIODICAL: Nauchnyye doklady vysshey shkoly, Mashinostroyeniye i priborostroyeniye, 1958, Nr 3, pp 77-81 (USSR)

ABSTRACT: The author explains the formation of hardened cores in materials and their practical application. The plastic deformation of a solid body causes a hardening of its material. The intensity of this hardening may be judged by the degree of hardness increase and the elasticity limit of the deformed material. The material will be hardened in that area where a relative plastic shift of the body layers takes place; the greater the magnitude of such a shift, the higher the degree of hardening. Under certain conditions, the zone of plastic deformation may comprise only a part of the body volume. In this case a separate body is formed consisting of hardened material embedded in not hardened material. Such a body, located inside

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Hardened Cores

SOV/159-58-3-12/31

another body, is called hardened core. The hardened cores have their own geometrical shape. The investigation of such cores was conducted on cylinders having on one side a projection in the shape of a hemisphere, a cone or a pyramid. The projection was subjected to plastic deformation in direction of its axis and afterwards the specimen was cut into halves for investigation. Figure 1 shows for examples. Samples made of wood, steel and copper were investigated. The author explains the mechanics of the hardened core formation and some practical application of the latter, for example, bolt heads and other parts where a local strength increase is required. There are 6 diagrams. This article was presented by the Kafedra "Soprotivleniye materialov" Tomskogo politekhnicheskogo instituta (Chair "Strenght of Materials" of the Tomsk Polytechnic Institute)

SUBMITTED: March 13, 1958

Card 2/2

KONYAKHIN, I.R.; SEDOKOV, L.M.; GORBENKO, M.S.

Using a conical crusher to determine working forces. Zav. lab.  
24 no.5:632-633 '58. (MIRA 11:6)

1, Tomskiy politekhnicheskii institut.  
(Physical testing)



S/145/61/000/007/007/009  
D221/D301

AUTHOR: Konyakhin, I.R., Candidate of Technical Sciences, Docent  
TITLE: Compressed microdeformation due to the shift of  
surface material  
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashinostroyeniye,  
no. 7, 1961, 89-94

TEXT: This is a description of some phenomena in the material of the contact surface of two rigid bodies during their microscopic displacement with respect to each other which occurs before one body begins to glide onto the other. The author states that investigations on this have been carried out for 10 years and that he describes one of the phenomena observed by him. The full cycle of microdisplacement consists of:  
1) forward displacement caused by gradually increasing traction force,  
2) elastic return during gradual decrease of traction force up to 0,  
3) additional return during gradual decrease of normal pressure up to 0, the traction force being already equal to 0. The author has called

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Compressed microdeformation ...

S/145/61/000/007/007/009  
D221/D301

taken off and applied again at once; then a microdisplacement was made by increasing the traction force, and elastic and second return were caused. The sum of elastic and second return was found to be equal to the forward microdisplacement, i.e. the residual deformation was equal to 0. Numerical data are given in a table and on a graph. If the normal pressure is not removed after the displacement and elastic return, and a new forward motion is started, then it takes place in an elastic manner. A fourth experiment is described, in which the force of internal braking, due to the presence of the normal load, was determined. The force was found to be proportional to the load. There are 4 figures and 4 tables.

ASSOCIATION: Tomskiy politekhnicheskii institut (Tomsk Polytechnical Institute)

SUBMITTED: June 17, 1959

Card 3/4 *3*

S/126/62/013/005/022/031  
E073/E435

AUTHORS: Konyakhin, I.R., Mitrofanov, B.P.

TITLE: Shear stresses under pressure

PERIODICAL: Fizika metallov i metallovedeniye, v.13, no.5, 1962,  
771-772

TEXT: In an earlier paper the first of the authors described a technique based on studying the mechanical properties of discrete contact areas of two solid bodies. The micro-nonuniformities of the contacting surfaces determine the application of the contact load and thus the deformation of the loaded micro-nonuniformities proceeds under combined stress conditions. Under such conditions even such brittle materials as quenched steel and glass show plastic deformation. For the experiments a special, earlier described, instrument was used in which the strains can be amplified up to 250000 times. The specimen is in the form of a disc with a ring-shaped protrusion 2 mm wide, 0.5 mm high, 20 mm average diameter. The rough surface of this protrusion was deformed by means of a carefully polished carbide plate. Shear stresses were produced at various values of normal pressure and

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Shear stresses under pressure

S/126/62/013/005/022/031

E073/E435

stopped on reaching a maximum. A graph is included showing shear force, kg vs shear strain  $\mu$ , for the following normal loads: 5, 15, 25, 35, 45 kg. For a number of metals (steel, copper and bronze) a linear relation exists between the shear force and the applied normal pressure which remained conserved at any time during the deformation provided the values of the ratio  $S_{0i}/S_i$  remain equal. Assuming that the area of the real contact of two solids is proportional to the normal load, the relation between the tangential stresses along the area of contact and the normal pressure will be linear. The obtained results indicate that strengthening takes place with increasing normal pressure. There is 1 figure.

[ Abstractor's note: Slightly abridged translation.]

ASSOCIATION: Tomskiy politekhnicheskii institut  
(Tomsk Polytechnical Institute)

SUBMITTED: September 29, 1961

Card 2/2

KONYAKHIN, I.R.; MITROFANOV, B.P.; RAKHVALOVA, G.A.; TSUKUBLINA, K.N.

Determination of the hardness and some other mechanical  
characteristics of materials by compressing conical specimens.  
Zav.lab. 30 no.4:485-486 '64. (MIRA 17:4)

1. Tomskiy politekhnicheskii institut.

KONYAKHIN, I.R.; MITROFANOV, B.P.

Determining losses for mechanical hysteresis in a discrete  
contact. Fiz. met. i metalloved. 17 no.6:941-943 Je '64.  
(MIRA 17:8)

1. Tomskiy politekhnicheskii institut imeni Kirova.

SAVICHEV, Grigoriy Pavlovich; KONYAKHIN, L.G., red.; CHISTYAKOVA,  
K.S., tekhn. red.

[Air transportation contracts] Dogovor vozdushnoi pere-  
vozki; lektsiia dlia studentov iuridicheskikh fakul'tetov  
gosudaruniversitetov. Moskva, Izd-vo Mosk. univ., 1963. 79 p.  
(MIRA 16:7)

(Aeronautics, Commercial—Freight)

KONYAKHIN, M. A.; POLYAKOVA, L. M.; SUKROKHO, T. A.; SMIRNOV, V. A.;  
KOZLOZ, N. D.; BYSTRAYAKOV, L. V.; ANDREYEV, V. I.

"Urgent problems of modern dysentery in children."

Report submitted at the 13th All-Union Congress of Hygienists,  
Epidemiologists and Infectionists. 1959



KONYAKHIN, N.

5628. Brandt, G., Konyakhin, N. i Matveyev, D. Snkola peredovogo opyta. (chkal. obl. na vsesoyuz. s. - kh. vystavke). Chkalov, kn izd., 1954. 52 s. s ill 21 sm 3.000 ekz 65k - [55-836] p. 63(064)(47)\*63st(47.82).

SO: Knizhnaya, Letopis, Vol. 1, 1955

KONYAKHIN, N.

Condensation plants operate without men. Neftianik 5 no.2:21-22  
F '60. (MIRA 14:10)

1. Operator Omskogo neftepererabatyvayushchego zavoda.  
(Omsk---Condensers (Vapors and gases)) (Automation)

POLYAKOV, V. (Sverdlovsk); BARANOV, A. (Ivanovo); TSYBUL'KO, A. (Arkhangel'sk); NECHAYEV, V. (Arkhangel'sk); KANE, A., konstruktor; BIZUNOV, N.; SHASHUNOV, I., starshiy nauchnyy sotrudnik; RUDENKO, F.; KONYAKHIN, N.; KUZ'MIN, V.; POLUYEKTOV, Ye.; MOSKALENKO, N.

Technical information. Okhr.truda i sots.strakh. 5 no.12:32-37  
D '62. (MIRA 16:2)

1. Zavod "Russkiy dizel", Leningrad (for Kane). 2. Tekhnicheskiy inspektor otdela okhrany truda Tsentral'nogo komiteta professional'nogo soyuza rabochikh i sluzhashchikh sel'skogo khozyaystva i zagotovok (for Bizunov). 3. Ventilyatsionnaya laboratoriya Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta (for Shashunov). 4. Tekhnicheskiy inspektor Moskovskogo oblastnogo soveta professional'nykh soyuzov (for Rudenko). 5. Komandir otdeleniya gazospasatel'nogo otryada Omskogo neftezavoda (for Konyakhin). 6 Tekhnicheskiy inspektor Stavropol'skogo krayevogo soveta professional'nykh soyuzov (for Moskalenko).

(Technological innovations)  
(Safety appliances)

SOV/92-58-7-32/37

AUTHOR: Konyakhin, N. I.

TITLE: We Keep the Refinery Area Green (Prodolzhayem ozelenyat' zavod)

PERIODICAL: Neftyanik, 1958, Nr 7, p 33 (USSR)

ABSTRACT: Last year workmen of the Omsk refinery planted over 1,000 trees and about 5,000 bushes in the area of their refinery, and this year they expect to increase their efforts to keep the refinery area green. Each staff member of the most advanced technical department is planning to plant 3 trees and 60 bushes this year and in this way they will discharge their socialist obligation.

1. Engineering personnel--Performance

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14(5)'

BOV/92-58-12-19/24

AUTHOR: Konyakhin, N.I., Operator

TITLE: Labor Productivity Has Doubled (Proizvoditel'nost' truda udvoilas')

PERIODICAL: Neftyanik, 1958, Nr 12, p 24 (USSR)

ABSTRACT: According to this article the continuous operating cycle of thermal cracking units of the Omsk Refinery and many other eastern refineries never exceeded 24 days, after which time operations were interrupted for removing carbon from their furnace coil pipes. This procedure, usually carried out with the aid of small air turbines was noisy, protracted, complicated, and produced a lot of carbon dust. In May 1958 at a conference held in the new Ufa refinery with participation of representatives of the Omsk Refinery, a proposal was made to introduce a new, much more efficient method of removing carbon from furnace pipes. This method provides that furnace coil pipes be flushed, first with steam, and later, after several hours, with compressed air. Engineer Goncharov and operator Koblik of the Omsk Refinery, who participated at the above-mentioned conference, suggested that a similar method of cleaning pipes be introduced at their refinery as well. Their proposal was accepted and the new method applied as an experiment. It took only 6 hours to remove carbon from a small furnace with the aid of steam and air. Now this new method is successfully used by all thermal cracking units of the Omsk Refinery.

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11(4)

SOV/92-59-1-27/36

AUTHOR: Konyakhin, N. *N*

TITLE: ~~According to the Method of Nikolay Mamay~~ (Po metodu Nikolaya Mamaya)

PERIODICAL: Neftyanik, 1959, Nr 1, p 32 (USSR)

ABSTRACT: Following the example of N. Mamay, the senior operator of a processing unit of the Omsk refinery M. Moskovets proposed that each member of his team produce 1 ton of gasoline in excess of his daily quota. This suggestion, unanimously supported by the team of Moskovets, was successfully put into effect, and, as a result, other refinery teams decided to compete with Moskovets and to overtake his team. Then, each member of Moskovets team increased his effort and started to produce first 3 tons in excess of his daily quota, and then finally 10 tons. Following their example, other teams of the Omsk refinery began to work with the same efficiency. The campaign initiated by the Omsk refinery stimulated efforts of the personnel of other refineries. There is a photograph showing M. Moskovets the senior operator of the Atmospheric-Vacuum Pipe Still, and assistant operator R. Selyanina. They are standing at the furnace of their unit.

Card 1/1

KONYAKHIN, N.

New raw material has been made available. Neftianik 6 no.5:30  
My '61. (MIRA 14:5)

1. Operator Omskogo neftepererabatyvayushchego zavoda.  
(Omsk—Cracking process)

LINTSEVICH, A.V., inzh. (Novorossiysk); KONYAYEV, N.T., inzh. (Novorossiysk)

Assembly of cylindrical precast reinforced concrete tanks.

Stroi. truboprov. 7 no.12:18-19 D '62. (MIRA 16:1)

(Tanks) (Precast concrete construction)



KONYAKHIN, N.V.

AID Nr. 975-5 23 May

RADIO SOUNDING OF PLASMA MOVING AGAINST ELECTRODYNAMIC  
ACCELERATION IN A COAXIAL ACCELERATOR (USSR)

Brodskiy, V. B., Ye. M. Belitskiy, A. T. Voronchev, N. V. Konyakhin,  
and Yu. N. Starostin. Zhurnal tekhnicheskoy fiziki, v. 33, no. 4, 1963, ...  
426-433. S/057/63/033/004/010/021

The relationship existing in a plasma between number of charged particles ejected both in and against the direction of electrodynamic acceleration has been evaluated to analyze processes occurring in a coaxial accelerator. A method is described for using two different wavelengths ( $\lambda_1 = 0.8$  cm and  $\lambda_2 = 3$  cm) simultaneously, by which the relationship between these quantities can be obtained. It was found that a plasmoid with a concentration of at least  $n_1 > 10^{13}$  electrons/cm<sup>3</sup> was moving in the direction of electrodynamic acceleration. The time it took for the plasmoid to cross the beam was

Card 1/2

KONYASHIN, Yu.G.

Some characteristics of the dynamic and static methods of rock  
breaking. Nauch. trudy KNIUI no.14:275-284 '64. (MIRA 18:4)

KONYAKHIN, Yu.Ya., inzh.

Unfortunate omissions in a needed textbook ("Installation and maintenance of switch boxes" by V.V.Mikoni, A.A.Strochkov. Reviewed by IU. IA. Koniakin). Put' 1 put. khoz. no. 8:48 Ag '58.

(MIRA 11:8)

(Railroads--Switches)

(Mikoni, V.V.)

(Strochkov, A.A.)

KONYAKHIN, Yu.Ya., insh.

Device for rail straightening. Put' i put.khoz. 4 no.7:22-23  
Jl '60. (MIRA 13:7)  
(Railroads--Equipment and supplies)

SUKHANOV, V.V.; PETROCHENKOV, T.A.; SMIRNOV, G.N.; KONYAKHIN, Yu.Ya., inzh.;  
MOROZOVA, T.A.; GORSHKOV, V.V.; YEROSHENKO, N.A.; SHCHERBINA, N.P.

Letters to the editor. Put' i put.khoz. 4 no.11:44-45 N '60.

(MIRA 13:12)

1. Dorozhnyy master, st. Syamba, Severnoy dorogi (for Sukhanov).
2. Starshiy dorozhnyy master, st. Moskva-Kurskaya (for Petrochenkov).
3. Dorozhnyy master 5-go okoločka, st. Khovrino, Oktyabr'skoy dorogi (for Smirnov).
4. Putevaya rabochaya st. Peshetnikovo, Oktyabr'skoy dorogi (for Morozova).
5. Starshiy putevoy rabochiy, st. Reshetnikovo, Oktyabr'skoy dorogi (for Gorshkov).
6. Predsedatel' komissii partiynogo kontorlya po zhilishchno-bytovym voprosam, st. Aksakovo, Kuybyshevskoy dorogi (for Yeroshenko).
7. Inzhener distantsii, st. Nadezhdinsk-Sortirovochnyy, Sverdlovskoy dorogi (for Shcherbina).  
(Railroads)

KONYAKHIN, Yu.Ya., inzh.

Three interesting proposals. Put' i put.khoz. 5 no.11:31 N  
'61. (MIRA 14:12)  
(Railroads--Tools and implements)

KONYAKHIN, Yu.Ya., inzh.

Useful device. Put. i put.khoz. 6 no.2:23 '62. (MIRA 15:2)  
(Automobiles--Maintenance and repair)

KONYAKHIN, Yu. Ya., inzh. (st. Makhachkala, Severo-Kavkazskoy dorogi)

Useful proposals of Makhachkala Division track workers. Put'  
1 put. khoz. 6 no.9:31-32 '62. (MIRA 15:10)

(Makhachkala—Railroads—Employees)  
(Efficiency, Industrial)



KONYAKHIN, Yu.Ya., inzh.

Efficiency promoters of the Isakogorka Division. Put' i put.  
khoz. 7 no.5:36-37 '63. (MIRA 16:7)

1. Isakogorskaya distantiya Severnoy dorogi.  
(Isakogorka—Railroads—Employees)  
(Railroads—Equipment and supplies)

KONYAKHIN, Yu.Ya., inzh.

Paving of crossings with reinforced concrete slabs. Put' 1  
put. khoz. 7 no.6:47 '63. (MIRA 16:7)

(United States--Railroads--Crossings)

KONYAKHIN, Yu.Ya., inzh.

Using long length rails and reinforced concrete ties in track repair.  
Put' i put.khoz. 8 no.6:47-48 '64. (MIRA 17:9)

KONYAKHIN, Yu.Ya., inzh.

For an increase of train speeds. Put' i put'khoz. 8 no. 8:18 '64.  
(MIRA 17:9)

1. Selenginskaya distantiya puti Vostochno-Sibirskoy dorogi.

KONVAKHIN, Yu.Ya.

Brigade of communist labor. Put' 1 put. knoz. 8 no.9:23 '62.

(MIRA 17:11)

1. Stantsiya Selenga Vostochno-Sibirskoy dorogi.

KONYAKHIN, Yu.Ya., inzh.

Proposals of workers engaged in blasting operations. Put' 1 put.khoz.  
9 no.8:20-21 '65. (MIRA 18:8)

KONYAKHIN, Yu.Ya.

Coupled brake. Put' 1 put. khoz. 9 no.10:21 '65.

(MIRA 18:10)

BUROV, A.G.; ASEYEV, P.A.; KONYAKHIN, Yu.Ya., inzh.; BAKHMATSKIY, P.A.;  
KOZYKIN, V.A.; KUZNETSOV, M.G., inzh.-mekhanik

Creative work of efficiency promoters. Put' i put. khoz. 9  
no.11:23-24 '65. (MIRA 18:11)

1. Nachal'nik Vargashinskoy distantssi Yuzhno-Ural'skoy dorogi (for Burov).
2. Stantsiya Solntsevo, Yuzhnoy dorogi (for Aseyev).
3. Stantsiya Gruzskoye, Yugo-Zapadnoy dorogi (for BakhmatSKIY).
4. Nachal'nik Nizhneudinskoy distantssi Vostochno-Sibirskoy dorogi (for Kozykin).
5. Stantsiya Prokop'yevsk, Zapadno-Sibirskoy dorogi (for Kuznetsov).



I 63462-65 ENT(1)/FCC GW

ACCESSION NR: AP5019149

UR/0362/65/001/007/0677/0687  
551.553.12

AUTHOR: Konyakhina, A. A.; Shaposhnikova, M. I.; Gutman, L. N.

TITLE. Nonlinearity effects in the slope wind problem (numerical experiment)

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 1, no. 7, 1965,  
677-687

TOPIC TAGS: slope wind mechanism, nonlinearity effect, slope wind calculation,  
slope wind 55.12

ABSTRACT: The paper investigates the role of nonlinear terms in the plane stationary slope wind problem on the basis of a numerical evaluation of the fundamental nonlinear system of equations. These equations are first transformed into a system of finite difference equations which are subsequently solved on an M-20 electronic computer by means of matrix and simple factorization coupled with the interaction approach. Flow patterns, characterizing various reliefs, are established on the basis of these calculations. Physical deductions concerning the role of nonlinear terms in slope wind mechanisms are also given. Orig. art. has: 30 formulas and 4 figures.

Card 1/2

L 63462-65

ACCESSION NR: AP5019149

ASSOCIATION: Vychislitel'nyy tsentr, Sibirskoye otdeleniye Akademii nauk SSSR  
(Computer Center, Siberian Section, Academy of Sciences SSSR)

SUBMITTED: 18Nov64

ENCL: 00

SUB CODE: ES

NO REF SOV: 008

OTHER: 001

Card 2/2

ENCLOSURE MEDICA Sec.7 Vol.10/4 Pediatrics April 56 - chin? *Inq. Dr. ...*

717. KONYAKHINA M. A., ANDREYEVA V. I., BISTRYAKOVA L. V., KUSHINOVA G. A. and SMIRNOVA A. I. Ped. - med. Inst., Leningrad. \* Peculiarities of the clinical course of dysentery in early childhood PEDIATRIJA 1955, 2 (9-14) Tables 3 (Russian text)

Dysentery in Leningrad in 1953 was characterized by the decrease of the share of *Sh. flexneri*, an increase of *Sh. newcastle*, while the part of *Sh. sonnei* remained unchanged. The percentage of positive bacteriological findings decreased while the percentage of 'clinical dysentery' increased. Mild cases were largely prevalent (83.7%). The symptomatology in this year was milder, the course shorter, relapses, exacerbations and complications less frequent than in earlier years. Of the complications pneumonia still held the first place (21%) but otitis was most important (32.9%) by its influence on the course of the disease. 1.4% of the cases became chronic. The death-rate was nearly zero (0.09%). Najman - Zagreb

BARANSKIY, N.N.; DOMETTI, A.A.; KALININ, F.P.; KONYAKHINA, O.I.;  
PREOBRAZHENSKIY, A.I.; RAUSH, V.A.; SAUSHEIN, R.G.;  
STROYEV, K.F.; TEREKHOV, P.G.

In illustrious memory of A.S.Barkov. Geog.v shkole no.2:61  
Mr-Apr '54.

(MLRA 7:2)  
(Barkov, Aleksandr Sergeevich, 1873-1954)

STEPANOV, P.N. (Saratov); KONYAKHINA, V.N. (Saratov); YAKUNIN, Yu.A.,  
kandidat meditsinskikh nauk (Moskva)

Clinical aspects of nervous disturbances in poliomyelitis. Vop.  
okh.mat. i det. 1 no.1:14-20 Ja-F '56. (MLR 9:9)  
(POLIOMYELITIS) (NERVOUS SYSTEM--DISEASES)

NAZAROVA, E.M.; KONYAKHINA, V.N.; TSAREVA, T.I.; FOFANOVA, L.G.

Use of amino acids in the treatment of acute poliomyelitis. Vop.okh.  
mat. i det. 1 no.1:37-43 Ja-P '56. (MLRA 9:9)

1. Na baze l-y gorodskoy detskoy infektsionnoy bol'nitsy Saratova.  
(POLIOMYELITIS)  
(AMINO ACIDS--THERAPEUTIC USE)

KONYAKHINA, V.N.

Metabolic disorders in acute poliomyelitis. Vop.okh.mat. i  
det. 5 no.3:43-46 My-Je '60. (MIRA 13:7)

1. Iz kafedry nervnykh bolezney (zav. - dotsent A.V. Ul'yanova)  
i biokhimi (zav. - prof. N.N. Ivanovskiy) Saratovskogo gos-  
darstvennogo meditsinskogo instituta i 1-y Detskoy infektsion-  
noy bol'nitsy Saratova (glavnyy vrach V.A. Budunova).  
(POLIOMYELITIS) (METABOLISM, DISORDERS OF)

KONYAKHINA, Ye.D., meditsinskaya sestra (Moskva)

Treating patients with acute abdominal diseases. Med.sestra 15 no.12:  
24-26 D '56.

(ABDOMEN--SURGERY)

(NURSES AND NURSING)

(MLRA 10:1)



SHNAYDR, Frantisek [Snidr, Frantisek]; MAGID, M.I. [translator];  
KONYAKHINA, T.G. [translator]; DINEVSKIY, P.B. [translator];  
STESHOV, I.I., red.; GHACHEVA, A.V., red.; SHAPENKOVA, T.A.,  
tekhn. red.

[Technology of shoe manufacture] Tekhnologiya obuvi. Pod re.  
M.I. Magida i I.I. Steshova. Moskva, Izd-vo nauchno-tekhn. lit-  
ry RSFSR. Vol. 1. 1960. 210 p. Translated from the Czech.

(MIRA 15:4)

(Czechoslovakia--Shoe manufacture)

KONYAKIN, V.F.; CHERNOGUB, B.F.

~~the~~ VP-2 car loader. Sakh. prom. 31 no.6:29-30 Je '57. (MIRA 10:6) .

1. Ukgiprosakhar.

(Conveying machinery)

PASHKOVSKIY, F. M.; KONYAKIN, V. F.

Cleaning of sugar beets from impurities. Sakh. prom. 36 no.10:  
41-42 0 '62. (MIRA 15:10)

1. Ukrainskiy gosudarstvennyy institut po proyektirovaniyu  
predpriyatiy sakharney promyshlennosti.

(Sugar beets—Cleaning)

5 KONYAKOV, V.V. 7

Experimental Steel Production with Oxygen-Enriched Blast in Bessemer Converter at Kuznetsk Steel Works. N.Y. Konyakov. (Kishenev, 1946, vol. 3, No. 2 3, pp. 1-11; Engineers' Digest, 1947, vol. 8, Nov., pp. 383-384). Experiments in the use of oxygen-enriched blast in a 14-ton Bessemer converter are described. The results indicated that the process can be applied to metal low in silicon. The steel produced was very low in nitrogen and had a high mechanical strength. The consumption of oxygen was about 60 cu. m. per ton of charge. Further work is required on means of reducing the phosphorus content of the product and prolonging the life of the tuyeres.—A. A. B.

ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION

KONYAKOV V. V.		PROCESSING AND PROPERTIES INDEX	
B		2	
<p>*14. Experimental Steel Production with Oxygen-Enriched Blast in Bessemer Converter at Kuznetsk Steel Works. V. V. Konyakov. <i>Engineers' Digest</i> (American Edition), v. 4, Nov. 1947, p. 522-523. Translated and condensed from <i>Kislород</i>, v. 3, 1946, p. 1-11.</p> <p>Describes the above, giving details of performance. Converter construction is diagrammed.</p>			
158-15A METALLURGICAL LITERATURE CLASSIFICATION		E-2-158-15A	
158-15A		E-2-158-15A	

BIRONE SUGAR, Edit; KONYANE KOVACS, Maria

Quick method for determining chromium content of ferrochromium.  
Magy kem lap 17 no.9:429 S '62.

1. Szegedi Tudományegyetem Szervetlen és Analitikai Kémiai Intézet  
(for Birene Sugar).
2. Debreceni Mezőgazdasági Kísérleti Intézet  
(for Konyane Kovacs).

SOLTI, F., dr.; RACZ, P., dr.; KONYAR, E., dr.; GIDALI, J.

Cardiac rupture and tamponade following fatty infiltration of the heart. Orv. hetil. 103 no.32:1520-1521 12 Ag '62.

1. A Budapesti Orvostudományi Egyetem I. Sz. Kóronctani Intézete.  
(HEART DISEASES case reports)

SOLTI, F.; RACZ, P.; KONYAR, Eva; GIDALI, Julia

Cardiac rupture and tamponade caused by fatty infiltration of the heart. Acta morph. acad. sci. Hung. 12 no. 4:447-452 '64

I. Medizinische Klinik (Direktor: Prof. Dr. I. Rusznyak) und  
II. Institut für Pathologische Anatomie (Direktor: Prof. Dr. L. Haranghy) der Medizinischen Universität, Budapest.



KONYAREV, Nikolay Ivanovich

Myasnoye ptitsevodstvo /Raising poultry for the table, by / N. I.  
Konyarev (1) G. M. Kolobov. Moskva, Sel'khozgiz, 1958.  
174 P. Illus., Tables.

BEJYY, L.D., laureat Stalinskoy premii; MEYSHTADT, L.I.; KONYAROVA, L.P.;  
POPOV, I.V., professor, doktor geologo-mineralogicheskikh nauk,  
redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor

[Engineering and geological research in the planning and construction  
of hydroelectric structures; a manual of methods for engineering  
geologists] Inzhenerno-geologicheskie issledovaniya pri proektirovani  
i stroitel'stve gidroenergeticheskikh sooruzhenii; metodicheskoe  
posobie dlia tekhnikov-geologov. Moskva, Gos. energ. izd-vo, 1955.  
408 p. (MRLA 9:1)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsiy i  
elektropromyshlennosti. Upravleniye kapital'nogo stroitel'stva.  
(Hydroelectric power stations)  
(Engineering geology)

*Konnyarova, L.P.*  
BELYI, L.D., laureat Stalinskoy premii; MEYSHTADT, L.I.; KONYAROVA, L.P.;  
POPOV, I.V., professor, doktor geologo-mineralogicheskikh nauk,  
redaktor; LARIONOV, G.Ye., tekhnicheskii redaktor

[Engineering geology research in designing and constructing hydro-  
electric power structures; a practical manual for technicians and  
geologists] Inzhenerno-geologicheskie issledovaniia pri proektirovanii  
i stroitel'stve gidroenergeticheskikh sooruzhenii; metodicheskoe posobie  
dlia tekhnikov-geologov. Izd. 2-oe, ispr. Moskva, Gos. energ. izd-vo,  
1954. 408 p. (MLRA 9:12)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostani. Upravle-  
nie kapital'nogo stroitel'stva. 2. Institut "Gidroenergeproekt."  
(for Belyi, Meyshtadt, Konnyarova)  
(Soil mechanics) (Hydraulic engineering)

BELYY, L.D., doktor geologo-mineral.nauk; LYKOSHIN, A.G., inzh.-geolog;  
MOLOKOV, L.A., inzh.-geolog; KONYAROVA, L.P., inzh.-geolog;  
MEYSHADT, L.I., kand.geologo-mineral.nauk; VASIL'YEVA, L.R.,  
inzh.-geolog; ZENKOV, N.A., inzh.-geolog; VOZNESSENSKIY, A.N.,  
prof., obshchiy red.; ASANOV, A.M., tekhn.red.

[Geology and dams] Geologiya i plotiny. Pod obshchei red.  
A.N.Voznesenskogo. Moskva, Gos.energ.isd-vo. (Materialy po  
proektirovaniu gidroenergeticheskikh uslov. Ser.2. Izyska-  
niia). Vol.1. 1959. 182 p. (MIRA 13:2)

1. Moscow. Vsesoyuznyy gosudarstvennyy proyektnyy institut  
"Gidroenergoproekt." 2. Glavnyy inzhener otdela izyskaniy  
instituta "Gidroenergoproekt" (for Belyy).  
(Dams) (Engineering geology)

TIZDEL', R.R.; KARPYSHEV, Ye.S.; MOLOKOV, L.A.; KONYAROVA, L.P.;  
PESTOVSKIY, K.N.; ZENKOV, M.V.; KIRICHENKO, N.I.; NEYSHTADT,  
L.I.; MALYAROVA, I.Ye.; PIRTSKHALAYSHVILI, G.P.; KALMYKOVA,  
N.I.; BELYI, L.D., doktor geol.-min. nauk; BOROVY, A.A.,  
red.; GOTMAN, T.P., red.; LARIONOV, G.Ye., tekhn. red.

[Geology and dams]Geologiya i plotiny. Pod obshchei red. A.A.  
Borovogo. Moskva, Gosenergoizdat, (Its Materialy po proektiro-  
vaniu gidroenergeticheskikh uzlov. Seriya 2: Izyskaniia)  
Vol.2. 1962. 151 p. (MIRA 15:9)

1. Moscow. Vsesoyuznyy gosudarstvennyy proyektnyy institut  
"Gidroenergoproekt." 2. Vsesoyuznyy gosudarstvennyy proyekt-  
nyy institut, Moscow (for all except Borovoy, Gotman,  
Larionov).

(Geology) (Dams)

KONYAROVA, L.P.; NEYSHTADT, L.I.; LYKOSHIN, A.G.; KARPYSHEV, Ye.S.;  
BOROVY, A.A., red.; BELY, L.D., doktor geol.-miner.  
nau, red.; BUL'DYAYEV, N.A., tekhn. red.

[Geology and dams] Geologiya i plotiny. Pod obshchei red.  
A.A.Borovogo. Moskva, Gosenergoizdat, Vol.3. 1963. 175 p.  
(MIRA 17:3)

1. Moscow. Vsesoyuznyy proyektno-izyskatel'nyy i nauchno-issledovatel'skiy institut "Gidroproyekt" im. S.IA.Zhuka.
2. Vsesoyuznyy proyektno-izyskatel'nyy i nauchno-issledovatel'skiy institut, Moscow (for Konyarova, Neyshtadt, Lykoshin, Karpyshev).

ZHILKIN, V.B.; Prinimali uchastiye: ITEL'SON, G.M.; KALGANOV, D.K.;  
KADOBNOV, V.D.; OLEYNIKOV, I.S.; SMIRNOV, V.I.; BLYUMENFEL'D,  
M.K.; KONYASHIN, Ye.I.; LASKIN, R.L.

Experimental use of titanium in hydrometallurgy. Titan i ego  
splavy no.8:273-278 '62. (MIRA 16:1)  
(Hydrometallurgy--Equipment and supplies)  
(Titanium--Corrosion)

KONYASHIN, Yu. G.

"On the Determination of Earth-Cutting Stress, Speeds, and Leads on the Mechanisms of a Single Bucket Excavator (Straight Scoop) Having a Single Engine Drive, During Excavation." Cand Tech Sci, Inst of Mining, Acad Sci USSR, Moscow, 1955. (KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)



KONYASHIN, Yu.G., kand.tekhn.nauk; VESELOV, G.M., kand.tekhn.nauk.

Using the experience of an efficient worker of the Road Scientific Research Institute for evaluating resistance of frozen and thawed grounds to grading. Stroi. i dor. mashinostr. 2 no.12:14-15 D '57.  
(MIRA 11:2)

(Frozen ground) (Excavation)

VESELOV, G.M., kand.tekhn.nauk; KANYASHIN, Yu.G., kand.tekhn.nauk

Question of the efficiency of adopting high-speed jets of  
water for cutting sandstone and shale. Trudy Inst. gor.  
dela 5:101-107 '60. (MIRA 14:5)  
(Boring) (Jets)

KONYASHIN, Yu.G., kand.tekhn.nauk

Trends and some results of the investigation of processes of rock  
crushing by dynamic loads. Nauch. soob. IGD 21:82-95 '63.  
(MIRA 17:2)

BARON, Lazar' Izrailevich, prof., doktor tekhn. nauk; VESELOV,  
Georgiy Mikhaylovich; KONYASHIN, Yuriy Gavrilovich;  
GEYMAN, L.M., red. izd-va; POLYAKOVA, T.V., tekhn. red.

[Experimental studies of the breaking of rocks by percus-  
sion drilling] Eksperimental'nye issledovaniia protsessov razru-  
sheniia gorn'nykh porod udarom. Moskva, Izd-vo Akad. nauk SSSR,  
1962. 217 p. (MIRA 15:5)  
(Boring) (Rocks--Testing)

KONYASHIN, Yu.G., kand. tekhn. nauk

Concerning the French-Russian mining dictionary. Shakht. stroi.  
7 no.11:31-32 N°63 (MIRA 17:7)

BARON, Lazar' Izrailevich, prof., doktor tekhn. nauk; KONYASHIN, Yuriy Gavrilovich; KURBATOV, Vladimir Mikhaylovich; KOSTAN'YAN, A.Ya., red.izd-va; MAKOGONOVA, I.A., tekhn. red.

[Crushability of rocks] Drobimost' gornykh porod. Moskva, Izd-vo Akad. nauk SSSR, 1963. 165 p. (MIRA 16:7)

1. Zaveduyushchiy otделom razrusheniya gornykh porod Instituta gornogo dela im. A.A.Skochinskogo (for Baron).  
(Rocks--Testing)

VESELOV, G.M., kand.tekhn.nauk; KONYASHIN, Yu.G., kand.tekhn.nauk

Efficiency of using high-speed water jets for cutting sandstones  
and shales. Nauch.sob.Inst.gor.dela 5:101-107 '60. (MIRA 15:1)  
(Hydraulic mining)

BARON, L.I., prof., doktor tekhn.nauk; KONYASHIN, Yu.G., kand.tekhn.nauk

Estimating the resistance of rocks to milling. Nauch. soob. IGD  
16:186-195 '62. (MIRA 16:8)  
(Rocks—Testing) (Ore dressing)



KONYASHIN, Yu.G., kand. tekhn. nauk; VESELOV, G.M.

Using high-speed impulse jets to cut rocks. Nauch. soob. IGD  
20:106-118 '63. (MIRA 16:10)

(Hydraulic mining---Equipment and supplies)

KONYASHIN, Yu.G.

Determining the speed of poerating motions and the trajectory of the  
operating mechanism in earth digging with a single-bucket excavator.  
Fiz. mekh. svois., dav. i razr. gor. porod. no.2:109-126 '63.

(MIRA 17:1)

VESELOV, G.M.; KONYASHIN, Yu.G.; RODIONOV, N.S.

Method of measuring the volume of a cut-hole in single strike rock  
breaking. Fiz. mekh. svois., dav. i razr. gor. porod. no.2:107-108  
'63. (MIRA 17:1)

DEMBOVSKAYA, Ye.A.; KONYASHINA, R.A.; MEZHLUMOVA, A.I.; PAL'CHIKOV, G.F.

Analyzing the chemical composition of the extract of gas oils  
from catalytic cracking. Khim. i tekhn. topl. i masel 10 no. 11:  
16-19 N '65. (MIRA 19:1)

1. Institut goryuchikh iskopayemykh, Moskva.

KRICHKO, A.A.; KONYASHINA, R.A.

Investigating hydrogenation of Cherenkhovo coals cleaned by  
the process of centrifugal separation in heavy liquids. Trudy  
IGI 9:62-67 '59. (MIRA 13:1)  
(Coal preparation) (Coal liquefaction)

KRICHKO, A.A.; KONYASHINA, R.A.; LOZOVY, A.V.

Hydrogenation under moderate pressure of cleaned Estonian oil  
shales. Trudy IGI 9:68-85 '59. (MIRA 13:1)  
(Oil shales) (Hydrogenation)

S/068/61/000/010/002/002  
E071/E435

AUTHORS: Borts, A.G., Krichko, A.A., Konyashina, R.A.,  
Lozovoy, A.V. and L'vova, L.N.

TITLE: Processing of anthracene fraction by a hydrogenation  
method

PERIODICAL: Koks i khimiya, no.10, 1961, 53-56

TEXT: An investigation of the destructive hydrogenation of anthracene fraction I (raw and crystallized out) of the Nizhne-Tagil'skiy metallurgicheskiy kombinat (Nizhne-Tagil Metallurgical Combine) was carried out in order to develop a method of its conversion into more valuable products - light aromatics and naphthalene, the demand for which is steadily increasing. The hydrogenation experiments were carried out on a continuous pilot plant with the capacity of the reactor of 0.2 and 6.0 litres. The influence of pressure (100 to 200 atm), temperature (520 to 550°C) volume velocity (0.5 to 1.0 kg/litre hr) and catalysts ( $\text{MoO}_3 + \text{Al}_2\text{O}_3$  and  $\text{CoO} + \text{MoO}_3 + \text{Al}_2\text{O}_3$ ) on the yield and composition of the products was tested. It was found that, on increasing pressure from 100 to 200 atm at 520°C, the yield of hydrogenated products decreases from 96.4 to 90.1%. The depth of conversion of

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S/068/61/000/010/002/002  
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Processing of anthracene ...

the anthracene fraction into liquid products boiling up to 230°C and not initially present in the raw material was: at 100 atm, 15.8%; at 150 atm, 19.8%; at 200 atm, 27.2%. The yield of the fraction with a boiling temperature above 300°C (originally present in an amount of 68.1%) decreased to 42.6, 30.7 and 25.6% respectively. Under a pressure of 150 atm, anthracene is completely transformed into lower boiling products, carbazole by 87.8%, phenanthrene by 81%. A pressure of 150 atm was found to be the optimum for the process. An increase in the temperature of the process from 520 to 550°C is accompanied by some decrease in the yield of hydrogenation products and an increase in the proportion of fractions boiling to 230 and 300°C. The temperature range 520 to 550°C can be utilized in the process: beginning from 520°C for a fresh catalyst and steadily increasing during 100 to 200 hours to 550°C with decreasing activity of the catalyst (due to the deposition of coke). The formation of coke amounted to 0.14% for MoO<sub>3</sub> + Al<sub>2</sub>O<sub>3</sub> catalyst and to 0.12% for CoO + MoO<sub>3</sub> + Al<sub>2</sub>O<sub>3</sub> catalyst. The latter catalyst was found to be more active (a higher yield of products boiling to 230°C). The optimum volume velocity was found

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to be 0.5 kg/litre of the catalyst hour. On complete hydrogenation of the anthracene fraction I (recirculation of the fraction boiling above 250°C, about 45%) the following method of processing hydrogenation products is proposed: fraction boiling up to 250°C is distilled, the distillate boiling up to 150°C is extracted with diethyleneglycol to separate aromatic hydrocarbons. The refined products consisting mainly of 5 and 6 membered naphthenes can be transformed into C<sub>6</sub>-C<sub>8</sub> aromatic hydrocarbons by platforming. The fraction boiling at 150 to 200°C (81.9% aromatic hydrocarbons) can be used as a solvent. The fraction boiling at 200 to 230°C can be used for the production of naphthalene (filtration at 0°C) and tetralene (rectification). The denaphthalenized fraction 200 to 230°C can be used as a substitute for tetralene or, on mixing with the fraction 150-200°C, as a solvent for motorcar paints. The fraction boiling at 230 to 250°C, consisting mainly of  $\alpha$  and  $\beta$ -methylnaphthalenes, can be used for their production. Moreover, the fraction boiling at 210 to 250°C (without separation of naphthalene) can be oxidized to phthalic anhydride with a 70% yield. The yield of individual products are given in Table 4. There are 1 figure, 4 tables and 2 Soviet Card 3/5

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(Hydrogenation)

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